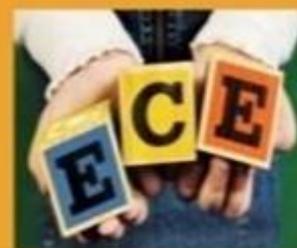




A VOICE OF ELECTRONICS AND COMMUNICATION ENGINEERING



Mailto: dnrcetece@gmail.com



VOLIME II ISSUE I

DEPARTMENT VISION & MISSION

VISION

To be a recognized center for innovation in Electronics & Communication Engineering with ethics in research and serving society.

MISSION

DM1: Impart knowledge skills on state-of art technologies aligned to address industry and society needs.

DM2: Organize activities to inculcate self-learning lifelong learning, team spirit and professional ethics.

DM3: Provide quality environment, promoting research innovation and entrepreneur skills.

Program Educational Objectives (PEOs)

PEO1: Demonstrate the educational foundation needed for professional career/higher studies in the field of Electronics and Communication Engineering

PEO2: Provide solutions for the real time problems with the ever-changing industry requirements.

PEO3: Develop attitude for life long learning and practice the profession with integrity and responsibility

Program Specific Outcome's (PSO's)

PSO1: Design and provide solutions in Power Electronics and Power Systems.

PSO2: Demonstrate renewable energy technologies for growing energy demand.

Program Outcomes (PO's)

PO1: Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.

PO2: Problem analysis: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.



PO3: Design/development of solutions: Ability and skills to effectively use state-of-the-art techniques and computing tools for analysis, design and implementation of computing systems which resolve real life problems.

PO4: Conduct investigations of complex problems: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.

PO5: Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.

PO6: The engineer and society: Apply reasoning informed by contextual knowledge to assess societal, health, safety, legal and cultural issues, and the consequent responsibilities relevant to the professional engineering practice.

PO7: Environment and sustainability: Understand the impact of professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.

PO8: Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of engineering practice.

PO9: Individual and teamwork: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.

PO10: Communication: Make effective presentations and give and receive clear instructions. with society at large. Be able to comprehend and write effective reports documentation.

PO11: Project management and finance: Demonstrate knowledge and understanding of engineering and management principles and apply these to one's own work, as a member and leader in a team. Manage projects in multidisciplinary environments.

PO12: Life-long learning: Recognize the need for and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

EVENTS ORGANIZED

- A Entrepreneurship Development programme on “**Entrepreneurship And Innovation As Career Opportunity**” speech was delivered by resource person Mr. B. RamKumar on 18/09/2020.



- A value added course conducted on “Calculation of isotropic gain of an antenna” from 12/09/2020 to 16/09/2020.
- A Value added course on “Remote Sensing Application on Image Processing” conducted from 04/07/2020 to 11/07/2020.



Photographs of Calculation of isotropic gain of an antenna and Remote Sensing Application on Image Processing courses

FACULTY ACHIEVEMENTS

- Mrs.Dr.S. Koteswari published **Design & Implementation of Innovative IOT Based Smart Agriculture Management System For The Efficient Crop Growth** in journal JES Vol.11, Issues7, July2020, ISSN No: 0377-9254.
<https://jespublication.com/upload/2020-110789.pdf>
- . Mr.K. SekharBabu published **Design & Implementation of Innovative IOT Based Smart Agriculture Management System for The Efficient Crop Growth** in journal JES ol.11, Issues7, July2020, ISSN No: 0377-9254
<https://jespublication.com/upload/2020-110789.pdf>

EVENTS PARTICIPATED -FACULTY

- Mrs.N. Maryleena attended FDP in Antenna application & microwave design in Sri Sai Ram Institute of Technology CHENNAI from 15/06/2020 To 20/06/2020
- Mrs.Maryleena attended FDP in Recent Trends in Wireless Communication Technologies in Bangalore Institute of Technology BANGALORE from 03/08/2020 To 05/08/2020.
- Mrs.B. Sudha rani attended FDP in Recent Advances in Biomedical Applications and Communication Networks GMR Institute of Technology RAJAM from 13/07/2020 To 18/07/2020.
- Mr.P.Ram kumar attended FDP in Recent Advances in Biomedical Applications and Communication Networks GMR Institute of Technology RAJAM from 13/07/2020 To 18/07/2020
- Mr. K. Sekhar Babu attended faculty development program on Design and Simulation of Miniature Antenna for IOT Applications,MVGR College of Engineering (A)Vizianagaram from 29/06/2020 To 04/07/2020.

EVENTS PARTICIPATED -STUDENT

- K. NageswaraRao participated Webinar in Mount Zion College of Engineering &Technology Chennai on 01-07-2020.
- Nageswara Rao participated Quiz in J.B. Institute of Engineering &Technology on 01-07-20.
- The following students have participated Digital Skilling Program in APSSDC on 01-08-2020.
T. Jolika ,K. Madhuri ,K. Sudhalahari ,K. SaiVenkat ,Bhargavi ,V.Naga Rohit ,J. Sravani ,LalithaLavanya

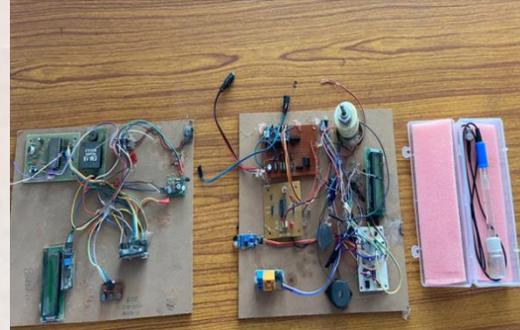
INTERNSHIPS

- LAKSHMI KIRAN MAYI Participated internship program ABC' SUNIFIED COURSE in ABC Technology Training & Upskilling, Bangalore from 19/06/2020 to 27/09/2020 for 100 days.
- M SRI HARSHITHA Participated internship program ABC' SUNIFIED COURSE in ABC Technology Training & Upskilling, Bangalore from 19/06/2020 to 27/09/2020 for 100 days.

- K CHANDRIKA Participated internship program ABC' SUNIFIED COURSE in ABC Technology Training & Upskilling, Bangalore from 19/06/2020 to 27/09/2020 for 100 days.
- STP SRI HARSHITHA Participated internship program ABC' SUNIFIED COURSE in ABC Technology Training & Upskilling, Bangalore from 19/06/2020 to 27/09/2020 for 100 days.

PROJECTS

- External Project review has been conducted from 30/07/2020 to 31/07/2020 and the best projects have been selected .



D.N.R. COLLEGE OF ENGINEERING & TECHNOLOGY, BHIMAVARAM
DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING
 Academic Year: 2019-2020
IV B.Tech II Semester Project work
 The list of best projects

Batch No.	Roll.No	Student Name	Name of the guide	Title of the project
16EC06	169P1A0409	B.DHANESHWARI	Mr. K.SEKHAR BABU	Design of circularly polarized patch antenna array for Satellite communication
	169P1A0453	T.AKHILA		
	169P1A0429	K.RAJA SRI		
16EC09	169P1A0414	D.VIJAYA LAKSHMI	Mr. N.PAVAN KUMAR	Design of smart ambulance and traffic signaling System with patient monitoring using Arduino mega
	169P1A0405	A.PHANEENDHRA VARMA		
	169P1A0440	M.PAVAN AYYAPPA REDDY		
16EC13	169P1A0418	G.SUVARNA LATHA	Mr. K.S.SATISH KUMAR	Smart shopping trolley with automatic Billing and product information using RFID
	169P1A0412	D.SRI SAILASYA		
	169P1A0427	K.APOORVA VANDHANA		
16EC16	179P5A0425	M.DURGESH	Mrs. N.S.V.L.SOW JANYA	Design and implementation of women safety and alerting system using arduino
	179P5A0430	S.SUDHEER		
	179P5A0414	D.DURGA PRASAD		
16EC20	169P1A0458	V.VINNY JACOB	Dr.S. KOTESWAR I	ASIC implementation of convolution encoder and viterbi decoder based dna cryptography
	179P5A0409	CH.ROBERT JOHN		
	179P5A0402	B.ARUN KUMAR		
16EC24	179P5A0401	A.HARIKA	Mrs. S.RADHIKA	An IoT based smart agriculture farming robot
	169P1A0456	V.SAI MAHESH		
	169P1A0439	M.DISNEY SANDHYA		
	179P5A0417	G.SRI HARIKRISHNA		

Project Coordinator HOD

LIST OF BEST PROJECTS

RESULT ANALYSIS

- IV-II Toppers of 2016-20 batch

Roll No	Student Name	SGPA
169P1A0401	ADURI VALLI KOWSALYA	8.25

169P1A0417	G SAI SRINIVASU	8.5
169P1A0423	INDUKURI PAVANI SRI	8.63
169P1A0424	JAVVADI LAKSHMI BHAVANI	8.88
169P1A0449	S T P SRI HARSHITHA	8.63
169P1A0463	KONDROTHU CHANDRIKA	8.29
179P5A0431	S LAKSHMIPRIYANKA	8.25
179P5A0434	V JOHN WESLEY	8.25

PLACEMENTS

- P.Vijaya Vardhini has been selected for accenture

